

New England Biolabs Certificate of Analysis

Product Name: PURExpress® In Vitro Protein Synthesis Kit
 Catalog Number: E6800S
 Packaging Lot Number: 10069960
 Expiration Date: 03/2022
 Storage Temperature: -80°C
 Specification Version: PS-E6800S/L v1.0

PURExpress® In Vitro Protein Synthesis Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P0760AVIAL	PURExpress® Solution B	10069017	Pass
N0424AVIAL	Control (DHFR) template	10045777	Pass
B0228AVIAL	PURExpress Solution A	10069018	Pass

Assay Name/Specification	Lot # 10069960
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in PURExpress® In Vitro Protein Synthesis Kit and meet the designated specifications.</p>	Pass
<p>Functional Testing (Cell Free Protein Synthesis Assay) (--galactosidase) A 25 µl reaction in the presence of 250 ng β-galactosidase template DNA and 20 units RNase Inhibitor containing the components of the PURExpress® In Vitro Protein Synthesis Kit incubated for 2 hours at 37°C results in the expected 116 kDa product as determined by SDS-PAGE with Coomassie Blue detection.</p>	Pass
<p>Functional Testing (Cell Free Protein Synthesis Assay) (Vent DNA Polymerase) A 25 µl reaction in the presence of 250 ng Vent DNA Polymerase template DNA and 20 units RNase Inhibitor containing the components of the PURExpress® In Vitro Protein Synthesis Kit incubated for 2 hours at 37°C results in the expected 89 kDa product as determined by SDS-PAGE with Coomassie Blue detection.</p>	Pass
<p>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR) A 25 µl reaction in the presence of 250 ng E. coli DHFR template DNA and 20 units RNase Inhibitor containing the components of the PURExpress® In Vitro Protein Synthesis Kit incubated for 2 hours at 37°C results in the expected 20 kDa product as determined by SDS-PAGE with Coomassie Blue detection.</p>	Pass

This product has been tested and shown to be in compliance with all specifications.

Cory Tuckey

Cory Tuckey
Production Scientist
11 Mar 2020

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
13 Mar 2020